NASA THESAURUS SUPPLEMENT

JULY 1984

A three part cumulative supplement to the 1982 edition of the NASA Thesaurus

National Aeronautics and Space Administration

Scientific and Technical Information Branch

1984
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INTRODUCTION

The NASA Thesaurus Supplement replaces the former 6-Month Cumulative Listing of the NASA Thesaurus Changes. This cumulative supplement to the NASA Thesaurus 1982 edition, incorporates all of the information normally contained in the previous publication as well as two new features: complete hierarchies and access vocabulary. It is hoped that the additional information and the improved legibility will make this a more useful product than its predecessor. Subsequent issues of the supplement will be cumulative and will be issued every six months. For detailed information on the use of the NASA Thesaurus Supplement, consult the front matter of the NASA Thesaurus 1982 edition.

Users are encouraged to consult the online NASA Thesaurus for the most complete and up-to-date information. Addenda to old hierarchies in the 1982 edition of the NASA Thesaurus are not given because they are readily found in the online NASA Thesaurus. Inclusion of such a feature would have substantially increased the size of the publication. In using the hierarchies in the online NASA Thesaurus, users are cautioned that these hierarchies list broad and narrow terms and not their interrelationships. The online NASA Thesaurus does not show the exact relationship when there are more than three broad and/or narrow terms.

New terms to this issue are indicated with a bullet and larger type. Designed for browsability, each new term appears in the format of the following example:

• Earthnet

Many times cross references are later made postable terms. These are shown in Part 3. When new cross references are added to older terms, the term that is referred to is not listed unless it is also a new term. For older terms check the printed or the online NASA Thesaurus.

Many Comments or suggestions about this publication, including suggestions for new terms, should be directed to the Lexicographer, NASA Scientific and Technical Information Facility, P.O. Box 8757, BWI Airport, Maryland 21240.
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### NASA Thesaurus Supplement

#### Part 1

**Hierarchical Listing**

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### New Term
COOLANT LOSS

- COOLANT LOSS
  USE LOSS OF COOLANT

- COROTATION
  GS CYRRATION
  RT COROTATION
  GS ASTROPHICAL MODELS
  GS GALACTIC ROTATION
  GS MAGNETOSPHERE
  GS SPIRAL GALAXIES
  GS STELLAR MOTIONS
  GS STELLAR ROTATION

COSMOS 954 SATELLITE

GS SATELLITES
  GS ARTIFICIAL SATELLITES
  GS COSMOS SATELLITES
  GS COSMOS 954 SATELLITE
  GS EARTH SATELLITES
  GS COSMOS SATELLITES
  GS COSMOS 954 SATELLITE
  GS SOVIET SPACECRAFT
  GS COSMOS SATELLITES
  GS COSMOS 954 SATELLITE
  RT UNCONTROLLED REENTRY

(COSMOS)

COSPAS

GS SATELLITES
  GS ARTIFICIAL SATELLITES
  GS COSPAS
  GS EARTH SATELLITES
  GS COSPAS
  RT RECONNAISSANCE
  RT RESCUE OPERATIONS
  RT SARSAT
  RT SEARCHING

CRACK ARREST

RT CRACK INITIATION
RT CRACK PROPAGATION
RT CRACK TIPS
RT CRACKING (FRACTURING)

CRACK TIPS

GS CRACKS
RT CRACK TIPS
RT CRACK ARREST
RT CRACK INITIATION
RT CRACK PROPAGATION

CRANK-NICHOLSON METHOD

RT BOUNDARY VALUE PROBLEMS
RT DIFFERENTIAL EQUATIONS
RT FINITE DIFFERENCE THEORY
RT FINITE ELEMENT METHOD
RT NUMERICAL ANALYSIS

CRANKED WINGS

USE SWEEP WINGS

CRAY COMPUTERS

GS SUPERCOMPUTERS
  GS CRAY COMPUTERS

CYCLIC ADENOSINE MONOPHOSPHATE

USE CYCLIC AMP

DAMES

USE DEMAND ASSIGNMENT MULTIPLE ACCESS

DART PROGRAM

UF DRONES FOR AERODYNAMIC AND STRUCTURE TEST
RT AEREOELASTICITY
RT AIRCRAFT CONTROL
RT AIRCRAFT DESIGN
RT DRONE AIRCRAFT
RT FLIGHT TESTS
RT FLUTTER
RT REMOTELY PILOTED VEHICLES
RT VIBRATION DAMPING

DATA FLOW ANALYSIS

RT COMPUTER PROGRAMS
RT COMPUTER SYSTEMS PROGRAMS
RT FLOW CHARTS
RT NETWORK ANALYSIS
RT SEQUENTIAL CONTROL

DATA INTEGRATION

RT DATA MANAGEMENT
RT DATA SIMULATION
RT DATA SIMULATION
RT DATA INTEGRATION
RT DATA MANAGEMENT

DATA STRUCTURES

GS DATA PROCESSING
GS DATA STRUCTURES
RT COMPUTER PROGRAMMING
RT DATA BASES

DEFENSE METEOROLOGICAL SATELLITE PROGRAM

USE DMSP SATELLITES

DEMAND ASSIGNMENT MULTIPLE ACCESS

UF DAMA
GS TELECOMMUNICATION
  GS MULTIPLE ACCESS
  GS DEMAND ASSIGNMENT MULTIPLE ACCESS
RT CHANNEL CAPACITY
RT COMMUNICATION NETWORKS
RT COMMUNICATION SATELLITES
RT SATELLITE NETWORKS

DESERTIFICATION

RT ARID LANDS
RT BARREN LAND

DIDYMUM

RT LANTHANUM
RT CYCLICAMP

DIFFERENTIAL ANALYZERS

RT ALGORITHMS
RT ANALOG COMPUTERS
RT COMPUTERIZED SIMULATION
RT DIFFERENTIAL EQUATIONS
RT DIGITAL COMPUTERS
RT DIGITAL INTEGRATORS

DYES (CHEMISTRY)

USE ROCK INTRUSIONS

DINING PHILOSOPHERS PROBLEM

RT DISTRIBUTED PROCESSING
RT INTERPROCESSOR COMMUNICATION
RT PROBLEM SOLVING
RT SYNCHRONISM

DIRECTION FINDING

RT BEARING (DIRECTION)
RT RADIO DIRECTION FINDERS
RT SIGNAL PROCESSING

DIRECTIONAL COUPLERS

RT ANTENNA COMPONENTS
RT COUPLERS
RT COUPLINGS
RT IMPEDANCE MATCHING
RT MICROSTRIP TRANSMISSION LINES
RT MICROWAVE COUPLERS
RT TRANSMISSION LINES
RT YOKES

DIRECTORIES

RT HANDBOOKS
RT MANUALS

DISTRIBUTED PROCESSING

GS DATA PROCESSING
RT DISTRIBUTED PROCESSING
RT ARCHITECTURE (COMPUTERS)
RT COMPUTER NETWORKS
RT COMPUTER SYSTEMS DESIGN
RT DINING PHILOSOPHERS PROBLEM
RT MICROPROCESSORS

DMSP SATELLITES

UF DEFENSE METEOROLOGICAL SATELLITE PROGRAM
GS MILITARY SPACECRAFT
RT DMSP SATELLITES PROGRAMS
RT DEFENSE PROGRAM
RT DMSP SATELLITES
RT AIR DEFENSE
RT EARTH SATELLITES
RT METEOROLOGY
RT PHOTOGRAPHY
RT PHOTOCONVERSION

NASA THESAURUS SUPPLEMENT (PART 1)

DESYNCHRONIZATION (BIOLOGY)

GS BIOPHYSICAL EFFECTS
  GS DESYNCHRONIZATION (BIOLOGY)
  GS DISORIENTATION
  GS DESYNCHRONIZATION (BIOLOGY)
  GS PSYCHOLOGICAL EFFECTS
  GS DESYNCHRONIZATION (BIOLOGY)
  GS JET LAG
  GS PSYCHOLOGICAL RESPONSES
  GS RHYTHM (BIOLOGY)

DIDYMUM

RT LANTHANUM
RT CYCLICAMP

DIFFERENTIAL ANALYZERS

RT ALGORITHMS
RT ANALOG COMPUTERS
RT COMPUTERIZED SIMULATION
RT DIFFERENTIAL EQUATIONS
RT DIGITAL COMPUTERS
RT DIGITAL INTEGRATORS

DYES (CHEMISTRY)

USE ROCK INTRUSIONS

DINING PHILOSOPHERS PROBLEM

RT DISTRIBUTED PROCESSING
RT INTERPROCESSOR COMMUNICATION
RT PROBLEM SOLVING
RT SYNCHRONISM

DIRECTION FINDING

RT BEARING (DIRECTION)
RT RADIO DIRECTION FINDERS
RT SIGNAL PROCESSING

DIRECTIONAL COUPLERS

RT ANTENNA COMPONENTS
RT COUPLERS
RT COUPLINGS
RT IMPEDANCE MATCHING
RT MICROSTRIP TRANSMISSION LINES
RT MICROWAVE COUPLERS
RT TRANSMISSION LINES
RT YOKES

DIRECTORIES

RT HANDBOOKS
RT MANUALS

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RT ARCHITECTURE (COMPUTERS)
RT COMPUTER NETWORKS
RT COMPUTER SYSTEMS DESIGN
RT DINING PHILOSOPHERS PROBLEM
RT MICROPROCESSORS

DMSP SATELLITES

UF DEFENSE METEOROLOGICAL SATELLITE PROGRAM
GS MILITARY SPACECRAFT
RT DMSP SATELLITES PROGRAMS
RT DEFENSE PROGRAM
RT DMSP SATELLITES
RT AIR DEFENSE
RT EARTH SATELLITES
RT METEOROLOGY
RT PHOTOGRAPHY
RT PHOTOCONVERSION

NASA THESAURUS SUPPLEMENT (PART 1)

DESYNCHRONIZATION (BIOLOGY)

GS BIOPHYSICAL EFFECTS
  GS DESYNCHRONIZATION (BIOLOGY)
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  GS PSYCHOLOGICAL EFFECTS
  GS DESYNCHRONIZATION (BIOLOGY)
  GS JET LAG
  GS PSYCHOLOGICAL RESPONSES
  GS RHYTHM (BIOLOGY)

DIDYMUM

RT LANTHANUM
RT CYCLICAMP

DIFFERENTIAL ANALYZERS

RT ALGORITHMS
RT ANALOG COMPUTERS
RT COMPUTERIZED SIMULATION
RT DIFFERENTIAL EQUATIONS
RT DIGITAL COMPUTERS
RT DIGITAL INTEGRATORS

DYES (CHEMISTRY)

USE ROCK INTRUSIONS

DINING PHILOSOPHERS PROBLEM

RT DISTRIBUTED PROCESSING
RT INTERPROCESSOR COMMUNICATION
RT PROBLEM SOLVING
RT SYNCHRONISM

DIRECTION FINDING

RT BEARING (DIRECTION)
RT RADIO DIRECTION FINDERS
RT SIGNAL PROCESSING

DIRECTIONAL COUPLERS

RT ANTENNA COMPONENTS
RT COUPLERS
RT COUPLINGS
RT IMPEDANCE MATCHING
RT MICROSTRIP TRANSMISSION LINES
RT MICROWAVE COUPLERS
RT TRANSMISSION LINES
RT YOKES

DIRECTORIES

RT HANDBOOKS
RT MANUALS

DISTRIBUTED PROCESSING

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RT ARCHITECTURE (COMPUTERS)
RT COMPUTER NETWORKS
RT COMPUTER SYSTEMS DESIGN
RT DINING PHILOSOPHERS PROBLEM
RT MICROPROCESSORS

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UF DEFENSE METEOROLOGICAL SATELLITE PROGRAM
GS MILITARY SPACECRAFT
RT DMSP SATELLITES PROGRAMS
RT DEFENSE PROGRAM
RT DMSP SATELLITES
RT AIR DEFENSE
RT EARTH SATELLITES
RT METEOROLOGY
RT PHOTOGRAPHY
RT PHOTOCONVERSION
NASA THESAURUS SUPPLEMENT (PART 1)

• New Term

**IMAGING RADAR**

GS RADAR
RT RADAR IMAGERY
REMOTE SENSORS
SIDE-LOOKING RADAR
SYNTHETIC APERTURE RADAR

**INDOOR AIR POLLUTION**

GS POLLUTION
. ENVIRONMENT POLLUTION
. AIR POLLUTION
. INDOOR AIR POLLUTION
RT AIR QUALITY
AIR SAMPLING
BUILDINGS

**INFORMATION TRANSFER**

RT INFORMATION DISSEMINATION
INFORMATION FLOW
INFORMATION MANAGEMENT
INFORMATION RETRIEVAL
INFORMATION SYSTEMS
INTERNATIONAL COOPERATION
TECHNOLOGY TRANSFER
TECHNOLOGY UTILIZATION

**INFRARED SIGNATURES**

GS SIGNATURES
RT INFRARED DETECTORS
INFRARED RADIATION
INFRARED SPECTRA
SIGNATURE ANALYSIS

**INSAT SATELLITES**

USE INDIAN SPACECRAFT

**INTEGRAL ROCKET RAMJETS**

GS ENGINES
. AIR BREATHING ENGINES
. GAS TURBINE ENGINES
. RAMJET ENGINES
. INTEGRAL ROCKET RAMJETS
. INTERNAL COMBUSTION ENGINES
. JET ENGINES
. RAMJET ENGINES
. INTEGRAL ROCKET RAMJETS
RT SOLID PROPELLANT ROCKET ENGINES
TURBINE ENGINES

**INTEGRALS**

RT DIFFERENTIAL EQUATIONS
FUNCTIONALS
INTEGRAL CALCULUS
MATHEMATICS

**INTEGRATED LIBRARY SYSTEMS**

GS INFORMATION SYSTEMS
INTEGRATED LIBRARY SYSTEMS
RT INFORMATION DISSEMINATION
INFORMATION MANAGEMENT
INFORMATION RETRIEVAL
LIBRARIES
ON-LINE SYSTEMS

**INTERACTIONAL AERODYNAMICS**

GS FLUID MECHANICS
. FLUID DYNAMICS
. GAS DYNAMICS
RT INTERACTIONAL AERODYNAMICS
AIRFOILS
COMPUTATIONAL FLUID DYNAMICS
FLOW
LAMINAR BOUNDARY LAYER

**INTERDIGITAL TRANSDUCERS**

GS TRANSDUCERS
INTERDIGITAL TRANSDUCERS
RT DIGITAL TRANSDUCERS
ELECTROACOUSTIC TRANSDUCERS
ELECTROELECTRIC TRANSDUCERS
SURFACE ACOUSTIC WAVE DEVICES

**INTERPERSONAL RELATIONS**

USE HUMAN RELATIONS

**ION SPECTROMETERS**

USE MASS SPECTROMETERS

**IONOPAUSE**

SN EXCLUDES PLASMAPAUSE
RT COMETARY ATMOSPHERES
PLANETARY ATMOSPHERES
PLASMAPAUSE
SPACE PLASMAS
VENUS ATMOSPHERE

**IRAS-ARAKI-ALCOCK COMET**

GS CELESTIAL BODIES
. COMETS
. IRAS-ARAKI-ALCOCK COMET
RT INFRARED ASTRONOMY SATELLITE
SOLAR SYSTEM

**IRS (INDIAN SPACECRAFT)**

USE INDIAN SPACECRAFT

**JAPANESE SPACECRAFT**

USE SPACECRAFT

**JUPITER SATELLITES**

GS CELESTIAL BODIES
. NATURAL SATELLITES
. JUPITER SATELLITES
. GALILEAN SATELLITES
. CALLISTO
. EUROPA
. GANYMEDE
. IO SATELLITES
. NATURAL SATELLITES
. JUPITER SATELLITES
. AMALTHEA
. CALLISTO
. EUROPA
. GANYMEDE
. IO
RT JUPITER (PLANET)
JUPITER RINGS
SOLAR SYSTEM

**K**

• K-MESONS

USE KAONS

KAMPUCHEA
USE CAMBODIA
NATIONS
KAMPUCHEA
RT ASIA

**L**

L-SAT

USE EUROPEAN LARGE TELECOMM SATELLITE
GS ESA SPACECRAFT
ESA SATELLITES
L-SAT SATELLITES
ARTIFICIAL SATELLITES
COMMUNICATION SATELLITES
L-SAT
ESA SATELLITES
L-SAT
ARTIFICIAL SATELLITES
L-SAT
RT SATELLITE NETWORKS

**LANDSAT 4**

USE EARTH RESOURCES TECHNOLOGY SATELLITE D
ERS-2
GS SATELLITES
. ARTIFICIAL SATELLITES

**LANDSAT 4 (CONT.)**

USE LANDSAT SATELLITES
LANDSAT 4
. EARTH SATELLITES
. LANDSAT SATELLITES
. LANDSAT 5

**LANDSAT 5**

GS SATELLITES
. ARTIFICIAL SATELLITES
. LANDSAT SATELLITES
. LANDSAT 5
. EARTH SATELLITES
. LANDSAT SATELLITES
. LANDSAT 5

**LARGE SPACE TELESCOPE**

USE HUBBLE SPACE TELESCOPE

**LEVITATION MELTING**

GS PHASE TRANSFORMATIONS
. MELTING
RT LEVITATION MELTING
ELECTRIC CURRENT
EXTERNAL SURFACE CURRENTS
LEVITATION
LIQUID METALS
LOW GRAVITY MANUFACTURING
MAGNETIC SUSPENSION
METALLURGY
OHMIC DISSIPATION
RESISTANCE HEATING
SPACE MANUFACTURING
SPACE PROCESSING

**LIGHT VALVES**

RT ELECTRO-OPTICS
LIGHT MODULATION
LIQUID CRYSTALS
OPTICAL DATA PROCESSING

**LIQUID PLUS SOLID ZONES**

USE MUSHY ZONES

**LOCAL GROUP (ASTRONOMY)**

GS CELESTIAL BODIES
. GALAXIES
. GALACTIC CLUSTERS
. LOCAL GROUP (ASTRONOMY)
. ANDROMEDA GALAXIES
RT BARRIED GALAXIES
COSMOLOGY
DISK GALAXIES
DWARF GALAXIES
ELLIPTICAL GALAXIES
SPIRAL GALAXIES
VIRGO GALACTIC CLUSTER

**LOGIC PROGRAMMING**

GS SOFTWARE ENGINEERING
. COMPUTER PROGRAMMING
. LOGIC PROGRAMMING
RT ARTIFICIAL INTELLIGENCE
EXPERT SYSTEMS
LOGIC DESIGN

**LOSS OF COOLANT**

USE COOLANT LOSS
GS ACCIDENTS
. LOSS OF COOLANT
RT COOLANTS
LEAKAGE
LOSES
NUCLEAR REACTORS
REACTOR MATERIALS

**LOW INTENSITY X RAY IMAGING SCOPE**

USE LINISCOPE

**LOW REYNOLDS NUMBER**

SN RN BELOW 2.000
RT HIGH REYNOLDS NUMBER
REYNOLDS NUMBER

**LUNAR ATMOSPHERE**

GS LUNAR IONOSPHERE
GS ENVIRONMENTS
. EXTRATERRESTRIAL ENVIRONMENTS
. LUNAR ENVIRONMENT
. LUNAR ATMOSPHERE
. SATELLITE ATMOSPHERES
. LUNAR ATMOSPHERE
RT MOON

- NEW TERM
**NASA THESAURUS SUPPLEMENT (PART 1)**

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<tr>
<td>New Brunswick</td>
<td>GS CITIES - CANADA</td>
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<tr>
<td>New York City (NY)</td>
<td>GS CITIES - NEW YORK CITY (NY)</td>
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<tr>
<td>Newfoundland</td>
<td>GS LANDFORMS - ISLANDS - NEWFOUNDLAND</td>
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<tr>
<td>NOAA E</td>
<td>Use NITROGENATION</td>
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<tr>
<td>NITROGENATION</td>
<td>Use NITROGENATION</td>
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<tr>
<td>North Vietnam</td>
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<td>Northwest Territories</td>
<td>GS NATIONS - CANADA - NORTHWEST TERRITORIES</td>
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<tr>
<td>Nova Computers</td>
<td>GS DATA PROCESSING EQUIPMENT - COMPUTERS - DIGITAL COMPUTERS - MICROCOMPUTERS - PERSONAL COMPUTERS</td>
</tr>
<tr>
<td>Nova Satellites</td>
<td>GS SATELLITES - ARTIFICIAL SATELLITES - NAVIGATION SATELLITES - EARTH SATELLITES - NAVIGATION SATELLITES - UNMANNED SPACECRAFT - NAVIGATION SATELLITES</td>
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<td>Nova Scotia</td>
<td>GS NATIONS - CANADA - NOVA SCOTIA</td>
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<tr>
<td>Nowcasting</td>
<td>GS FORECASTING - WEATHER FORECASTING - NOWCASTING - METEOROLOGY - WEATHER FORECASTING - NOWCASTING</td>
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<tr>
<td>Nuclear Medicine</td>
<td>UF MEDICAL SCIENCE - NUCLEAR MEDICINE</td>
</tr>
<tr>
<td>Numerical Data Bases</td>
<td>Use INFORMATION SYSTEMS - USE NUMERICAL DATA Bases</td>
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<tr>
<td>Open Project</td>
<td>RT O EARTH ATMOSPHERE - MAGNETOSPHERE - PLASMA DIAGNOSTICS - PLASMA PHYSICS - SATellite-BORNE INSTRUMENTS - SPACE PLASMAS</td>
</tr>
<tr>
<td>Optical Bistability</td>
<td>Use ELECTROMAGNETIC PROPERTIES - OPTICAL PROPERTIES - OPTICAL Bistability</td>
</tr>
<tr>
<td>Optical Computers</td>
<td>GS DATA PROCESSING EQUIPMENT - COMPUTERS - OPTICAL COMPUTERS</td>
</tr>
<tr>
<td>Optical Disks</td>
<td>GS PERIPHERAL EQUIPMENT (COMPUTERS) - COMPUTER STORAGE DEVICES - OPTICAL DISKS</td>
</tr>
<tr>
<td>Optical Strengths</td>
<td>RT ASSIMILATION SPECTRA - ABSORPTION SPECTRA - ELECTRON OSCILLATIONS - ELECTRON TRANSITIONS - LINE SPECTRA</td>
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<tr>
<td>Oratory</td>
<td>Use PUBLIC SPEAKING</td>
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<tr>
<td>Orbital Maneuvering Vehicles</td>
<td>RT ORBIT TRANSFER VEHICLES</td>
</tr>
<tr>
<td>Oscillator Strengths</td>
<td>RT ABSORPTION SPECTRA - ABSORPTION - ELECTRON OSCILLATIONS - ELECTRON TRANSITIONS - LINE SPECTRA</td>
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</tbody>
</table>

**Power Factor Controllers**

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<th>Definition</th>
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<tbody>
<tr>
<td>Oscillator Strengths</td>
<td>Use MOLECULAR OSCILLATIONS - MOLECULAR OSCILLATORS - OSCILLATORS - SPECTRAL LINE WIDTH</td>
</tr>
<tr>
<td>Particle Laden Jets</td>
<td>Use FUEL FLOW - JET FLOW - PARTICUES - TURBULENT FLOW</td>
</tr>
<tr>
<td>Payload Transfer</td>
<td>RT ORBITAL SERVICING - PAYLOAD RETRIEVAL (STS)</td>
</tr>
<tr>
<td>Payload Retrieval (STS)</td>
<td>Use SPACE MAINTENANCE</td>
</tr>
<tr>
<td>Personal Computers</td>
<td>GS DATA PROCESSING EQUIPMENT - COMPUTERS - DIGITAL COMPUTERS - MICROCOMPUTERS - PERSONAL COMPUTERS</td>
</tr>
<tr>
<td>Photoclinometry</td>
<td>Use PHOTOGRAMMETRY</td>
</tr>
<tr>
<td>Pioneer 12 Space Probe</td>
<td>Use PIONEER VENUS SPACECRAFT</td>
</tr>
<tr>
<td>Plasma Antennas</td>
<td>GS ANTENNAS</td>
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<tr>
<td>Plasma Bubbles</td>
<td>RT F REGION - PLASMA DENSITY</td>
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<tr>
<td>Plasma Density</td>
<td>Use SPACE PLASMAS</td>
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<tr>
<td>Polar Cusps</td>
<td>RT AERONOMY - GEOMAGNETIC LATITUDE - GEOMAGNETIC TAIL - GEOMAGNETISM - GEOPHYSICS</td>
</tr>
<tr>
<td>Polar Regions</td>
<td>Use INTERPLANETARY SPACE - LINES OF FORCE - MAGNETIC FIELD CONFIGURATIONS - MAGNETIC FIELDS - MAGNETOPAUSE - PLANETARY MAGNETIC FIELDS - POLAR REGIONS</td>
</tr>
<tr>
<td>Polar Regions</td>
<td>Use SPACE PLASMAS</td>
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<tr>
<td>Polariions</td>
<td>GS POLARIONS</td>
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<tr>
<td>Polychlorinated Biphenyls</td>
<td>UF PBB - USE POLYBROMINATED BIPHENYLS</td>
</tr>
<tr>
<td>Polybrominated Biphenyls</td>
<td>UF PBB - USE POLYBROMINATED BIPHENYLS</td>
</tr>
<tr>
<td>Power Factor Controllers</td>
<td>GS CONTROLLERS - USE POWER FACTOR CONTROLLERS</td>
</tr>
<tr>
<td>Power Factor Controllers</td>
<td>RT CURRENT REGULATORS - ELECTRIC MOTORS - ENERGY CONSERVATION - ENERGY CONVERSION EFFICIENCY - INDUCTION MOTORS - POWER EFFICIENCY - VOLTAGE REGULATORS</td>
</tr>
</tbody>
</table>

*New Term*
NASA THESAURUS SUPPLEMENT (PART 1)

SEASAT 1 (CONT.)
- EARTH SATELLITES
- SEASAT SATELLITES
- SEASAT 1
RT LANDSAT SATELLITES
NASA SPACECRAFT RELATIONSHIPS
OCEANOGRAPHY
PROGRAMS
SEASAT-3 SATELLITE

SELECTIVE SURFACES
UF SOLAR SELECTIVE COATINGS
RT ENERGY ABSORPTION FILMS
SELECTIVITY
SOLAR COLLECTORS
SOLAR ENERGY ABSORBERS

• SELF SHADOWING
RT LARGE SPACE STRUCTURES
SHADOWS
SOLAR ARRAYS

SEO (INDIAN SPACECRAFT)
USE INDIAN SPACECRAFT

SFAR
USE SOUND FIXING AND RANGING

SHELL ANODES
GS ELECTRODES
- ANODES
- SHELL ANODES
RT HEAT MEASUREMENT

SHIP TO SHORE COMMUNICATION
GS TELECOMMUNICATION
- COMMUNICATION
- SHIP TO SHORE COMMUNICATION
RT DATA TRANSMISSION
RADIO COMMUNICATION
SHIPS
TELEMETRY

SHORT CIRCUIT CURRENTS
GS ELECTRIC CURRENT
- SHORT CIRCUIT CURRENTS
RT OPEN CIRCUIT VOLTAGE
PHOTOVOLTAIC CELLS
SHORT CIRCUITS
SOLAR CELLS
VOLT-AMPERE CHARACTERISTICS

SHUTTLE DERIVED VEHICLES
UF SDV
GS MANNED SPACECRAFT
- SHUTTLE DERIVED VEHICLES
RT SPACE SHUTTLE ORBITERS
SPACE SHUTTLES
- SPACECRAFT
SPACECRAFT DESIGN

• SOBOLEV SPACE
GS ALGEBRA
- VECTOR SPACES
- HILBERT SPACE
- BANACH SPACE
- SOBOLEV SPACE
- FUNCTIONAL ANALYSIS (MATHEMATICS)
- FUNCTION SPACE
- HILBERT SPACE
- BANACH SPACE
- SOBOLEV SPACE
- FUNCTIONAL ANALYSIS
- HILBERT SPACE
- BANACH SPACE
RT BOUNDARY VALUE PROBLEMS
EUCLIDEAN GEOMETRY

SOFAR
USE SOUND FIXING AND RANGING

SOFTWARE ENGINEERING
GS SOFTWARE ENGINEERING
- COMPUTER PROGRAMMING
- ASSEMBLER ROUTINES
- LANGUAGE PROGRAMMING
- LOGIC PROGRAMMING
- MICROPROGRAMMING
- MULTIPROGRAMMING
- ON-LINE PROGRAMMING
- PARALLEL PROGRAMMING
- SYMBOLIC PROGRAMMING
RT COMPUTER PROGRAMS

SOFTWARE ENGINEERING (CONT.)
COMPUTER SYSTEMS DESIGN
COMPUTER SYSTEMS PROGRAMS
DATA BASES
SOFTWARE TOOLS
SYSTEMS ENGINEERING

SOFTWARE TOOLS
RT ARCHITECTURE (COMPUTERS)
- COMPUTER PROGRAMMING
- COMPUTER PROGRAMS
- COMPUTER SYSTEMS DESIGN
- COMPUTER SYSTEMS PROGRAMS
- DATA BASE MANAGEMENT SYSTEMS
- PROGRAM VERIFICATION (COMPUTERS)
SOFTWARE ENGINEERING

SOLAR BACKSCATTER UV SPECTROMETER
GS MEASURING INSTRUMENTS
- SPECTROMETERS
- SOLAR BACKSCATTER UV SPECTROMETER
RT IRRIADIANCE
SATELLITE-BORNE INSTRUMENTS

• SOLAR LASERS
USE SOLAR-PUMPED LASERS

SOLAR OPTICAL TELESCOPE
UF SOT
GS TELESCOPES
- SPACEBORNE TELESCOPES
- SOLAR OPTICAL TELESCOPE
RT ASTRONOMICAL TELESCOPES
SOLAR INSTRUMENTS
SOLAR PHYSICS

SOLAR PLANETARY INTERACTIONS
GS SOLAR PLANETARY INTERACTIONS
- SOLAR TERRRESTRIAL INTERACTIONS
RT MAGNETIC DISTURBANCES
MAGNETOSPHERE
PLANETARY ATMOSPHERES
PLANETARY MAGNETIC FIELDS
PLASMA INTERACTIONS
SOLAR ACTIVITY
SOLAR ACTIVITY EFFECTS
SOLAR CORPUSCULAR RADIATION
SOLAR WIND
SOLAR WIND VELOCITY

SOLAR RECEIVERS
USE SOLAR COLLECTORS

SOLAR SELECTIVE COATINGS
USE SELECTIVE SURFACES

SOLAR THERMAL ELECTRIC POWER PLANTS
GS ELECTRIC POWER PLANTS
- SOLAR THERMAL ELECTRIC POWER PLANTS
RT = POWER PLANTS
SOLAR ENERGY
THERMAL ENERGY

• SOLAR-PUMPED LASERS
USE SOLAR-LASERS
GS STIMULATED EMISSION DEVICES
- LASERS
- SOLAR-PUMPED LASERS
RT LASER PUMPING
OPTICAL PUMPING
SOLAR ENERGY CONVERSION
SOLAR RADIATION

SOLRAD 10 SATELLITE
USE EXPLORER 44 SATELLITE

SONIC FATIGUE
USE ACOUSTIC FATIGUE

SOT
USE SOLAR OPTICAL TELESCOPE

SPACE COMMERCIALIZATION
RT AEROSPACE INDUSTRY

SPACE COMMERCIALIZATION (CONT.)
COMMERCIAL SPACECRAFT
COMMUNICATION SATELLITES
MICROGRAVITY APPLICATIONS
SPACE INDUSTRIALIZATION
SPACE MANUFACTURING
SPACE PROCESSING
SPACECRAFT LAUNCHING
TECHNOLOGY TRANSFER

• SPACE HABITATS
RT AEROSPACE ENVIRONMENTS
CLOSED ECOLOGICAL SYSTEMS
LIFE SUPPORT SYSTEMS
SPACE COLONIES
SPACE STATIONS
SPACECRAFT

SPACE OPERATIONS CENTER (NASA)
GS MANNED SPACECRAFT
- SPACE STATIONS
- ORBITAL SPACE STATIONS
- SPACE OPERATIONS CENTER (NASA)
RT LARGE SPACE STRUCTURES
ORBITAL ASSEMBLY
ORBITAL SERVICING

• SPACE SHUTTLE ORBITER 103
GS TRANSPORTATION
- SPACE TRANSPORTATION SYSTEM
- SPACE SHUTTLE ORBITERS
- SPACE SHUTTLE ORBITER 103
RT MANNED SPACE FLIGHT
RECOVERABLE SPACECRAFT
REUSABLE SPACECRAFT
SPACECRAFT

• SPACE SHUTTLE ORBITER 104
GS TRANSPORTATION
- SPACE TRANSPORTATION SYSTEM
- SPACE SHUTTLE ORBITERS
- SPACE SHUTTLE ORBITER 104
RT MANNED SPACE FLIGHT
RECOVERABLE SPACECRAFT
REUSABLE SPACECRAFT
SPACECRAFT

• SPACECRAFT EQUIPMENT
GS ONBOARD EQUIPMENT
- SPACECRAFT EQUIPMENT
- SPACECRAFT ELECTRONIC EQUIPMENT
RT = EQUIPMENT
SPACECRAFT INSTRUMENTS

• SPACECRAFT MAINTENANCE
GS MAINTENANCE
- SPACECRAFT MAINTENANCE
RT CHECKOUT
PRELAUNCH TESTS
SPACE VEHICLE CHECKOUT PROGRAM
SPACECRAFT RELIABILITY
TURNAROUND (STS)

• SPECTRAL METHODS
RT COMPUTATIONAL FLUID DYNAMICS
DIFFERENTIAL EQUATIONS
SPECTRUM ANALYSIS

SPECTROPHOTONICS
RT ENERGY CONVERSION EFFICIENCY
ENERGY SPECTRA
SOLAR CELLS
SOLAR COLLECTORS

• SPEECHES
USE LECTURES

SPRING (SEASON)
GS SEASONS
SPRING (SEASON)
RT AUTUMN
SUMMER
WINTER

New Term
STATIC CHARACTERISTICS

- STATIC CHARACTERISTICS
  - SN (EXCLUDES STATIC)
  - GS STATIC CHARACTERISTICS
  - RT STATIC LOADS
  - STATIC STABILITY
  - STATIC TESTS

- STATIC MODELS
  - GS MODELS
  - RT APPROXIMATION
  - DYNAMIC MODELS
  - OPTIMIZATION

- STELLAR ACTIVITY
  - GS STELLAR ACTIVITY
    - SOLAR ACTIVITY
    - FACULES
    - SOLAR PROMINENCES
    - SOLAR STORMS
    - SPICULES
    - STELLAR FLARES
    - STELLAR LUMINOSITY
    - STELLAR MAGNETIC FIELDS
    - STELLAR MASS EJECTION
    - STELLAR OSCILLATIONS
    - STELLAR RADIATION
    - SUNSPOT CYCLE

- STELLAR COLOR
  - RT STELLAR LUMINOSITY
  - STELLAR MAGNITUDE
  - STELLAR SPECTRA
  - STELLAR SPECTROPHOTOMETRY

- STELLAR COMPOSITION
  - GS COMPOSITION (PROPERTY)
    - CHEMICAL COMPOSITION
    - STELLAR COMPOSITION
  - RT ABUNDANCE
    - B STARS
    - CARBON STARS
    - STARS
    - STELLAR MODELS
    - STELLAR STRUCTURE

- STELLAR CORES
  - GS CORES
    - STELLAR CORES
  - RT ASTROPHYSICS
    - GRAVITATIONAL COLLAPSE
    - LUNAR CORE
    - PLANETARY CORES
    - STARS
    - STELLAR CORONAS
    - STELLAR STRUCTURE

STEREOPHONICS

- RT ACOUSTICS
  - HEARING

STRANGE ATTRACTORS

- RT FRACTALS
  - INFORMINGS (MATHEMATICS)
  - ITERATIVE SOLUTION
  - NONLINEAR SYSTEMS
  - NUMERICAL STABILITY
  - PERTURBATION THEORY
  - PHYSICS
  - RECURSIVE FUNCTIONS
  - STATE VECTORS
  - THEORETICAL PHYSICS
  - TURBULENCE

STRATEGIC MATERIALS

- RT CHROMIUM
  - COBALT
  - MANGANESE
  - MATERIALS
  - METALS
  - STOCKPILING
  - TECHNOLOGY ASSESSMENT

SUPERCOMPUTERS

- GS SUPERCOMPUTERS
  - CRAY COMPUTERS

SUPERCritical AIRFOILS

- GS AIRFOILS
  - SUPercritical AIRFOILS
  - SUPercritical WINGS
  - RT AIRFOIL PROFILES

SUPERLATTICES

- GS CRYSTAL LATTICES
  - SUPERLATTICES
  - SEMICONDUCTORS (MATERIALS)
  - RT CRYSTAL DISLOCATIONS
  - CRYSTAL STRUCTURE
  - LATTICE PARAMETERS

SURFACE NOISE INTERACTIONS

- RT ACOUSTIC EXCITATION
  - ACOUSTIC SCATTERING
  - AERODYNAMIC NOISE
  - TURBULENCE

SWATH WIDTH

- RT AGRICULTURAL AIRCRAFT
  - FLIGHT PATHS
  - REMOTE SENSING
  - SATELLITE OBSERVATION

SYMBIOTIC STARS

- GS CELESTIAL BODIES
  - STARS
  - BINARY STARS
  - SYMBIOTIC STARS
  - HOT STARS
  - BLUE STARS
  - SYMBIOTIC STARS
  - PECULIAR STARS
  - VARIABLE STARS
  - SYMBIOTIC STARS
  - RT SYMBIOTIC STARS

- TIP VANES
  - GS ROTATING BODIES
  - TIP VANES
  - TIP VANES

TOPPING CYCLE ENGINES

- RT AIRCRAFT ENGINES
  - LIQUID HYDROGEN
  - PROPULSION SYSTEM CONFIGURATIONS

TRANSIT NAVIGATION SYSTEM

- GS SATELLITE NAVIGATION SYSTEMS
  - TRANSIT NAVIGATION SYSTEM
  - RT NASA PROGRAMS
  - NAVIGATION SATELLITES
  - NOVA SATELLITES
  - TRANSIT SATELLITES

TRIAMINOQUANIDINENITRATE

- USE TATB

TRIAMINOTRINITROBENZENE

- USE TATB

TYROSINE

- GS ACIDS
  - AMINO ACIDS
  - TYROSINE
  - ORGANIC COMPOUNDS
  - AMINO ACIDS
  - TYROSINE

- RT ENZYME ACTIVITY
  - LIVER

NEW TERM
NASA THESAURUS SUPPLEMENT (PART 1)

ULTRALIGHT AIRCRAFT
RT AIRCRAFT
LIGHT AIRCRAFT
Winged Vehicles

UNIFIED FIELD THEORY
GS FIELD THEORY (PHYSICS)
RT EINSTEIN EQUATIONS
Electromagnetic fields
Electromagnetic interactions
Electromagnetism
Gravitation theory
Gravitational fields
Particle theory
Plasma physics
Relativity
Theoretical physics

UNITED STATES
UF USA (UNITED STATES)
GS NATIONS
RT ALABAMA
ALASKA
ARIZONA
ARKANSAS
CALIFORNIA
COLORADO
CONNECTICUT
DELAWARE
FLORIDA
GEORGIA
HAWAI'I
IDAHO
ILLINOIS
INDIANA
IOWA
KANSAS
KENTUCKY
LOUISIANA
MAINE
MARYLAND
MASSACHUSETTS
MICHIGAN
MINNESOTA
MISSISSIPPI
MISSOURI
MONTANA
NEBRASKA
NEVADA
NEW HAMPSHIRE
NEW JERSEY
NEW MEXICO
NEW YORK
NORTH CAROLINA
NORTH DAKOTA
OHIO
OKLAHOMA
OREGON
PENNSYLVANIA
RHODE ISLAND
SOUTH CAROLINA
SOUTH DAKOTA
TENNESSEE
TEXAS
UTAH
VERMONT
VIRGINIA
WASHINGTON
WEST VIRGINIA
WISCONSIN
WYOMING
RT ALEUTIAN ISLANDS (US)
CASCADE RANGE (CA-OR-WA)
CENTRAL ATLANTIC REGION (US)
DISTRICT OF COLUMBIA
GREAT LAKES (NORTH AMERICA)
GREATER PLAINS CORRIDOR (NORTH AMERICA)
GUAM
INTERNATIONAL FIELD YEAR FOR
GREAT LAKES INTERNATIONAL HYDROLOGICAL
DECADE
MISSOURI RIVER (US)
NEW ENGLAND (US)
NORTH AMERICA
PACIFIC NORTHWEST (US)
PANAMA CANAL ZONE
PUERTO RICO
ROCKY MOUNTAINS (NORTH AMERICA)

WASTE HEAT
RT ENERGY TECHNOLOGY
HEAT EXCHANGERS

ULTRAVIOLET LASERS

**New Term**
NASA THESAURUS SUPPLEMENT

PART 2
ACCESS VOCABULARY

A-310 AIRCRAFT
A-320 AIRCRAFT
Access, Demand Assignment Multiple
USE DEMAND ASSIGNMENT MULTIPLE ACCESS
ACCOUNTING
ACCRETION DISKS
Accuracy, Geodetic
USE GEODETIC ACCURACY
Accuracy, Geometric
USE GEOMETRIC ACCURACY
ACEE PROGRAM
Activity, Stellar
USE STELLAR ACTIVITY
ADA (PROGRAMMING LANGUAGE)
Adenosine Monophosphate, Cyclic
USE CYCLIC AMP
AEROASSIST
AEROBRAKING
AERCAPTURE
Aerodynamic And Struct Test, Drones For
USE DAST PROGRAM
Aerodynamics, Interactive
USE INTERACTIONAL AERODYNAMICS
AEROELASTIC RESEARCH WINGS
AEROMAGNETISM
AEROMANEUVERING
AGROPHYSICAL UNITS
Aided Design, Computer
USE COMPUTER AIDED DESIGN
Aided Manufacturing, Computer
USE COMPUTER AIDED MANUFACTURING
Aided Mapping, Computer
USE COMPUTER AIDED MAPPING
Air Pollution, Indoor
USE INDOOR AIR POLLUTION
AIR START
Aircraft, A-310
USE A-310 AIRCRAFT
Aircraft, A-330
USE A-330 AIRCRAFT
Aircraft, Electric
USE FLY BY WIRE CONTROL
Aircraft Energy Efficiency Program
USE ACEE PROGRAM
Aircraft, Highly Maneuverable
USE HIGHLY MANEUVERABLE AIRCRAFT
AIRCRAFT POWER SUPPLIES
Aircraft, Ultralight
USE ULTRALIGHT AIRCRAFT
Aircraft, US-2A
USE 5-2 AIRCRAFT
Aircraft, Vertical Attitude Takeoff-Landing
USE VATOL AIRCRAFT
Airfoils, Supercritical
USE SUPERCritical AIRfoils
ALBERTA
Alocok Comet, Ira-Araki-
USE IRAS-ARAKI-ALCOCK COMET
ALLENDE METEORITE
Amp, Cyclic
USE CYCLIC AMP
Analysis, Cluster
USE CLUSTER ANALYSIS
Analysis, Data Flow
USE DATA FLOW ANALYSIS
Analysis, Gas Path
USE GAS PATH ANALYSIS
Analysis, Image
USE IMAGE ANALYSIS
Analysis, Principal Components
USE PRINCIPAL COMPONENTS ANALYSIS
Analysis, Thermal
USE THERMAL ANALYSIS
ANIK SATELLITES
Anode Microchannel Arrays, Multi-
USE MULTI-ANODE MICROCHANNEL ARRAYS
Anodes, Shell
USE SHELL ANODES
Anomalies, Geothermal
USE GEOTHERMAL ANOMALIES
Antennas, Multibeam
USE MULTIBEAM ANTENNAS
Antennas, Plasma
USE PLASMA ANTENNAS
Antistatic Devices
USE STATIC DISCHARGERS
APL (PROGRAMMING LANGUAGE)
Applications, Microgravity
USE MICROGRAVITY APPLICATIONS
ARABSAT
Araki-Alcock Comet, Ira-
USE IRAS-ARAKI-ALCOCK COMET
ARC CLOUDS
ARIOS SOUNDING ROCKET
Arrays, Multi-Anode Microchannel
USE MULTI-ANODE MICROCHANNEL ARRAYS
Arrest, Crack
USE CRACK ARREST
Assignment Multiple Access, Demand
USE DEMAND ASSIGNMENT MULTIPLE ACCESS
ASTRONOMICAL SATELLITES
(Astronomy), Local Group
USE LOCAL GROUP (ASTRONOMY)
ASYMPTOTIC PROPERTIES
Atmosphere, Lunar
USE LUNAR ATMOSPHERE
Atmosphere, Neutral
USE NEUTRAL ATMOSPHERES
ATMOSPHERIC CORRECTION
Atmospheric Loading
USE POLLUTION TRANSPORT
Attitude Takeoff-Landing Aircraft, Vertical
USE VATOL AIRCRAFT
Attractors, Strange
USE STRANGE ATTRACTORS
AUDIO DATA
AUDIO SIGNALS
AUTOMATED TRANSIT VEHICLES
AUTUMN
AWARDS

B
B, Gravity Probe
USE GRAVITY PROBE B
B Satellite, MagSat
USE MAGSAT B SATELlITE
Backscatter UV Spectrometer, Solar
USE SOLAR BACKSCATTER UV SPECTROMETER
BACKWARD DIFFERENCING
BACKWARD FACING STEPS
BAHAMAS
BALLOONING MODES
BAND RATING
BANDSTOP FILTERS
BARYON RESONANCE
Bases, Numerical Data
USE NUMERICAL DATA BASES
Cranked Wings  
USE SWEEP WINGS

CRAY COMPUTERS

Currents, Short Circuit  
USE SHORT CIRCUIT CURRENTS

Cusps, Polar  
USE POLAR CUSPS

Cyber 205 Computer, CDC  
USE CDC CYBER 205 COMPUTER

Cycle Engines, Topping  
USE TOPPING CYCLE ENGINES

Cyclic Adenosine Monophosphate  
USE CYCLIC AMP

Cylindrical Coordinates  
USE CARTESIAN COORDINATES

Dahomey  
USE BENIN

DAMA  
USE DEMAND ASSIGNMENT MULTIPLE ACCESS

DAST PROGRAM

Data, Audio  
USE AUDIO DATA

Data Bases, Numerical  
USE NUMERICAL DATA BASES

DATA FLOW ANALYSIS

DATA INTEGRATION  
USE FRAMES (DATA PROCESSING)

DATA SIMULATION

DATA STRUCTURES

Defense Meteorological Satellite Program  
USE DMSP SATELLITES

DEMAND ASSIGNMENT MULTIPLE ACCESS

Depth, Mixing  
USE MIXING HEIGHT

Derived Vehicles, Shuttle  
USE SHUTTLE DERIVED VEHICLES

DESERIFICATION  
USE COMPUTER AIDED DESIGN

Design, Computer Aided  
USE COMPUTER AIDED DESIGN

Design, Controlled Systems  
USE CONTROLLED SYSTEMS DESIGN

Design, Experiment  
USE EXPERIMENT DESIGN

DESYNCHRONIZATION (BIOLOGY)

Detection, Change  
USE CHANGE DETECTION

Devices, Antistatic  
USE STATIC DISCHARGERS

Diagram, HR  
USE HERTZSPRUNG-RUSSELL DIAGRAM

DIDYMIUM

Differencing, Backward  
USE BACKWARD DIFFERENCING

DIFFERENTIAL ANALYZERS  
USE ROCK INTRUSIONS

DINING PHILOSOPHERS PROBLEM

DIRECTION FINDING

DIRECTIONAL COUPLERS

DIRECTORIES

Disks, Accretion  
USE ACCRETION DISKS

Disks, Optical  
USE OPTICAL DISKS

Disposal (In Space), Hazardous Material  
USE HAZARDOUS MATERIAL DISPOSAL (IN SPACE)

DISTRIBUTED PROCESSING

Distribution, Circulation  
USE CIRCULATION DISTRIBUTION

DMSP SATELLITES

Doppler Positioning, Satellite  
USE SATELLITE DOPPLER POSITIONING

Double Stars  
USE BINARY STARS

DRAG COEFFICIENTS

DREDGING

Drones For Aerodynamic And Struct Test  
USE DAST PROGRAM

DWARF GALAXIES

Dwarf Stars, Red  
USE RED DWARF STARS

E

E, NOAA  
USE NOAA 8 SATELLITE

Earth Neighborhood, Origin Of Plasmas In  
USE OPEN PROJECT

EARTHNET

EASTERN HEMISPHERE

Edward Island, Prince  
USE PRINCE EDWARD ISLAND

Efficiency Program, Aircraft Energy  
USE ACEE PROGRAM

Efficiency Transport Program, Energy  
USE ACEE PROGRAM

Einstein Observatory  
USE HEAO 2

Electric Aircraft  
USE FLY BY WIRE CONTROL

ELECTRIC FURNACES

Electric Power Plants, Solar Thermal  
USE SOLAR THERMAL ELECTRIC POWER PLANTS

ELECTROCHROMISM

ELECTRODE MATERIALS

Electronics, Quantum  
USE QUANTUM ELECTRONICS

EMBEDDED COMPUTER SYSTEMS

Empennage  
USE TAIL ASSEMBLIES

ENKE COMET

Energy Efficiency Program, Aircraft  
USE ACEE PROGRAM

Energy Efficiency Transport Program  
USE ACEE PROGRAM

Engineering, Software  
USE SOFTWARE ENGINEERING

Engines, Rotary  
USE ROTARY ENGINES

Engines, Topping Cycle  
USE TOPPING CYCLE ENGINES

Equipment, Spacecraft  
USE SPACECRAFT EQUIPMENT

Error Rate, Bit  
USE BIT ERROR RATE

(ESA), Eureca  
USE EURECA (ESA)

EURECA (ESA)

European Large Telecomm Satellite  
USE L-SAT

European Retrievable Carrier  
USE EURECA (ESA)

Exercise  
USE PHYSICAL EXERCISE

Exper, Feature Identification And Location  
USE FEATURE IDENTIFICATION AND LOCATION EXPER

EXPERIMENT DESIGN

EXPERT SYSTEMS

Explorer, Far UV Spectroscopic  
USE FAR UV SPECTROSCOPIC EXPLORER

Explorer, X Ray Timing  
USE X RAY TIMING EXPLORER

EXPLORER 44 SATELLITE

EXPLORER 46 SATELLITE

Extraction, Feature  
USE PATTERN RECOGNITION

F

Facing Steps, Backward  
USE BACKWARD FACING STEPS

Facing Steps, Rearward  
USE BACKWARD FACING STEPS

Factor Controllers, Power  
USE POWER FACTOR CONTROLLERS

FAR UV SPECTROSCOPIC EXPLORER

FASTING

Fatigue, Sonic  
USE ACOUSTIC FATIGUE

Fauna  
USE ANIMALS
Feature Extraction

- Goertler Instability, Taylor-
  - Use Goertler Instability
- Gradient Method, Conjugate
  - Use Conjugate Gradient Method
- Gravitational Phsyiology
- Gravity Probe B
- Gray Scale
- Green's Functions
- Grids, Computational
  - Use Computational Grids
- Grids (Mathematical)
  - Use Computational Grids
- Group (Astronomy), Local
  - Use Local Group (Astronomy)
- GYRES
- Habitats, Space
  - Use Space Habitats
- Hazardous Material Disposal (In Space)
- Heat, Waste
  - Use Waste Heat
- Height, Mixing
  - Use Mixing Height
- Hemisphere, Eastern
  - Use Eastern Hemisphere
- Hemisphere, Western
  - Use Western Hemisphere
- High Reynolds Number
- High Speed Photography
- Highly Manoeuverable Aircraft
- HIMAT
  - Use Highly Manoeuverable Aircraft
- HIPPARCOS Satellite
- Hole Burning
- HRI Diagram
  - Use Hertzprung-Russell Diagram
- Hubble Space Telescope
- Human Relations

G

Galactic Cosmic Rays

- Galaxies, Dwarf
  - Use Dwarf Galaxies
- Gas Path Analysis
- Gel Permeation Chromatography
  - Use Liquid Chromatography
- Geodetic Accuracy
- Geographic Information Systems
- (Geology), Dikes
  - Use Rock Intrusions
- Geometric Accuracy
- Geothermal Anomalies
- Giotto Mission
- Goertler Instability

NASA Thesaurus Supplement (Part 2)

- Imaging Scope, Low Intensity X Ray
  - Use Lixiscopes
- In, Burn-
  - Use Burn-in
- In Earth Neighborhood, Origin Of Plasmas
  - Use Open Project
- (In Space), Hazardous Material Disposal
  - Use Hazardous Material Disposal (In Space)
- Index, Vegetative
  - Use Vegetative Index
- (Indian Spacecraft), IRS
  - Use Indian Spacecraft
- Indoors Air Pollution
- Information Systems, Geographic
  - Use Geographic Information Systems
- Information Transfer
- Infrared Signatures
- INSAT Satellites
  - Use Indian Spacecraft
- Instability, Goertler
  - Use Goertler Instability
- Instability, Taylor-Goertler
  - Use Goertler Instability
- Integral Rocket Ramjets
- Integrals
- Integrated Library Systems
- Integration, Data
  - Use Data Integration
- Integration, Very Large Scale
  - Use Very Large Scale Integration
- Intensity X Ray Imaging Scope, Low
  - Use Lixiscopes
- Interactional Aerodynamics
- Interactions, Beta
  - Use Weak Interactions (Field Theory)
- Interactions, Fluid-Solid
  - Use Fluid-Solid Interactions
- Interactions, Rotor Body
  - Use Rotor Body Interactions
- Interactions, Solar Planetary
  - Use Solar Planetary Interactions
- Interactions, Surface Noise
  - Use Surface Noise Interactions
- Interdigital Transducers
- Interpersonal Relations
- Ion Spectrometers
  - Use Mass Spectrometers
- Ionopause
- Ions, Formyl
  - Use Formyl Ions
- IRAS-Araki-Alcock Comet
- IRS (Indian Spacecraft)
  - Use Indian Spacecraft
Island, Prince Edward
USE PRINCE EDWARD ISLAND

J

JAPANESE SPACECRAFT

(Japanese Spacecraft), MOS
USE JAPANESE SPACECRAFT

Jets, Particle Laden
USE PARTICLE LADEN JETS

JUPITER SATELLITES

K

K-Mesons
USE KAONS

KAMPUCHEA

L

Laden Jets, Particle
USE PARTICLE LADEN JETS

LANDSAT 4

LANDSAT 5

Language, Ada (Programming)
USE ADA (PROGRAMMING LANGUAGE)

Language, APL (Programming)
USE APL (PROGRAMMING LANGUAGE)

Languages, Command
USE COMMAND LANGUAGES

Languages, Query
USE QUERY LANGUAGES

Large Scale Integration, Very
USE VERY LARGE SCALE INTEGRATION

Large Space Telescope
USE HUBBLE SPACE TELESCOPE

Large Telecomm Satellite, European
USE L-SAT

Lasers, Solar
USE SOLAR-PUMPED LASERS

Lasers, Solar-Pumped
USE SOLAR-PUMPED LASERS

Lasers, Xenon Chloride
USE XENON CHLORIDE LASERS

LEVITATION MELTING

Library Systems, Integrated
USE INTEGRATED LIBRARY SYSTEMS

LIGHT VALVES

(Liquefiers), Condensers
USE CONDENSERS (LIQUEFIERS)

Liquid Plus Solid Zones
USE MUSHY ZONES

Loading, Atmospheric
USE POLLUTION TRANSPORT

LOCAL GROUP (ASTRONOMY)

Location Exp, Feature Identification And
USE FEATURE IDENTIFICATION AND LOCATION EXP

LOGIC PROGRAMMING

Loss, Coolant
USE LOSS OF COOLANT

LOSS OF COOLANT

Loss, Power
USE POWER LOSS

Low Intensity X Ray Imaging Scope
USE LXSCOPES

LOW REYNOLDS NUMBER

LUNAR ATMOSPHERE

M

Madagascar
USE MALAGASY REPUBLIC

MAGELLAN MISSION

MAGNETIC BEARINGS

MAGSAT B SATELLITE

Main Sequence Stars, Pre-
USE PRE-MAIN SEQUENCE STARS

Maintenance, Spacecraft
USE SPACECRAFT MAINTENANCE

Management, Business
USE INDUSTRIAL MANAGEMENT

Management, Fluid
USE FLUID MANAGEMENT

Management Systems, Flight
USE FLIGHT MANAGEMENT SYSTEMS

Maneuverable Aircraft, Highly
USE HIGHLY MANEUVERABLE AIRCRAFT

Maneuvering, Aero
USE AEROMANEUVERING

Maneuvering System, Telemore
USE TELEOPERATORS

Maneuvering Units, Manned
USE MANNED MANEUVERING UNITS

Maneuvering Vehicles, Orbital
USE ORBITAL MANEUVERING VEHICLES

MANNED MANEUVERING UNITS

Manufacturing, (Manufacturing)
USE COMPUTER AIDED MANUFACTURING

Mapping, Computer Aided
USE COMPUTER AIDED MAPPING

MAPSAT

MARANGONI CONVECTION

MARECS MARITIME SATELLITES

Margins, Continental
USE CONTINENTAL SHELVES

MARINER MARK 2 SPACECRAFT

Maritime Satellites, Maresa
USE MARECS MARITIME SATELLITES

Mark 2 Spacecraft, Mariner
USE MARINER MARK 2 SPACECRAFT

Material Disposal (In Space), Hazardous
USE HAZARDOUS MATERIAL DISPOSAL (IN SPACE)

Materials, Electrode
USE ELECTRODE MATERIALS

Materials, Strategic
USE STRATEGIC MATERIALS

(Mathematics), Grids
USE COMPUTATIONAL GRIDS

(Mathematics), Mesh
USE COMPUTATIONAL GRIDS

Matrix Composites, Ceramic
USE CERAMIC MATRIX COMPOSITES

Medicine, Nuclear
USE NUCLEAR MEDICINE

MEGAMECHANICS

Melting, Levitation
USE LEVITATION MELTING

MEMORY (COMPUTERS)

Memory Systems, Virtual
USE VIRTUAL MEMORY SYSTEMS

Mesfets
USE FIELD EFFECT TRANSISTORS

Mesh (Mathematics)
USE COMPUTATIONAL GRIDS

MESON RESONANCE

METALLICITY

Meteorite, Andesite
USE ALLENDE METEORITE

Meteorite, Murchison
USE MURCHISON METEORITE

Meteorological Technology Satellite
USE EXPLORER 46 SATELLITE

Meteorological Satellite Program, Defense
USE DMSP SATELLITES

Method, Conjugate Gradient
USE CONJUGATE GRADIENT METHOD

Method, Crank-Nicholson
USE CRANK-NICHOLSON METHOD

Methods, Spectral
USE SPECTRAL METHODS

Microchannel Arrays, Multi-Anode
USE MULTI-ANODE MICROCHANNEL ARRAYS

Microgravity
USE REDUCED GRAVITY

MICROGRAVITY APPLICATIONS

MICROMECHANICS

Millankovitch Theory
USE CLIMATOLOGY

MINIMAL SURFACES

Mataires
USE FIELD EFFECT TRANSISTORS

Mission, Magellan
USE MAGELLAN MISSION

Mission, Rosat
USE ROSAT MISSION
Mixing Depth
USE MIXING HEIGHT

MOBILE COMMUNICATION SYSTEMS
USE MOBILE COMMUNICATION SYSTEMS

Mode Coupling
USE COUPLED MODES

Modeling, Continuum
USE CONTINUUM MODELING

Models, Static
USE STATIC MODELS

Modes, Ballooning
USE BALLOONING MODES

Modes (Plasmas), Tearing
USE TEARING MODES (PLASMAS)

Monophosphate, Cyclic Adenosine
USE CYCLIC AMP

MOS (Japanese Spacecraft)
USE JAPANESE SPACECRAFT

Motion Simulation
USE MOTION SIMULATION

MOZAMBIQUE

MULTI-ANODE MICROCHANNEL ARRAYS

MULTIBEAM ANTENNAS

Multiple Access, Demand Assignment
USE DEMAND ASSIGNMENT MULTIPLE ACCESS

Murchison Meteorite

Mushy Zones

Narrowband (NASA), Space Operations Center
USE SPACE OPERATIONS CENTER (NASA)

Navigation System, Transit
USE TRANSIT NAVIGATION SYSTEM

Nebeulae, Reflection
USE REFLECTION NEBULAE

Neighborhood, Origin Of Plasmas In Earth
USE OPEN PROJECT

Neutral Atmospheres

New Brunswick

New York City (NY)

Newfoundland

Nicholson Method, Crank-
USE CRANK-NICHOLSON METHOD

Nitrogen Fixation
USE NITROGENATION

Nitrogenation

NOAA E
USE NOAA 8 SATELLITE

NOAA 8 SATELLITE

Noise Interactions, Surface
USE SURFACE NOISE INTERACTIONS

North Vietnam
USE VIETNAM

NORTHWEST TERRITORIES

NOVA COMPUTERS

NOVA SATELLITES

NOVA SCOTIA

NOWCASTING

NUCLEAR MEDICINE

Nuclear Wastes
USE RADIOACTIVE WASTES

Nuclei, Condensation
USE CONDENSATION NUCLEI

Number, Bolt
USE BIOT NUMBER

Number, High Reynolds
USE HIGH REYNOLDS NUMBER

Number, Low Reynolds
USE LOW REYNOLDS NUMBER

Numerical Data Bases

(NY), New York City
USE NEW YORK CITY (NY)

O

Observatory, Einstein
USE HEAD 2

OPEN PROJECT

Operations Center (NASA), Space
USE SPACE OPERATIONS CENTER (NASA)

Ophiuchi Clouds

Optical Bistability

Optical Computers

Optical Disks

Optical Telescope, Solar
USE SOLAR OPTICAL TELESCOPE

Oratory
USE PUBLIC SPEAKING

Orbital Maneuvering Vehicles

Orbiter 103, Space Shuttle
USE SPACE SHUTTLE ORBITER 103

Orbiter 104, Space Shuttle
USE SPACE SHUTTLE ORBITER 104

Origin Of Plasmas In Earth Neighborhood
USE OPEN PROJECT

Oscillator Strengths

Oscillators, Voltage Controlled
USE VOLTAGE CONTROLLED OSCILLATORS

Parameter, Time Temperature
USE TIME TEMPERATURE PARAMETER

Particle Laden Jets

(Particle Physics), Flavor
USE FLAVOR (PARTICLE PHYSICS)

Path Analysis, Gas
USE GAS PATH ANALYSIS

PAYLOAD TRANSFER

PBB
USE POLYBROMINATED BIPHENYLS

Permeation Chromatography, Gel
USE LIQUID CHROMATOGRAPHY

Personal Computers

Philosophers Problem, Dining
USE DINING PHILOSOPHERS PROBLEM

Photoclinometry
USE PHOTOClinOMETRY

Photography, High Speed
USE HIGH SPEED PHOTOGRAPHY

Physics, Flavor (Particle
USE FLAVOR (PARTICLE PHYSICS)

Physiology, Gravitational
USE GRAVITATIONAL PHYSIOLOGY

Pioneer 12 Space Probe
USE PIONEER VENUS SPACECRAFT

Planetary Interactions, Solar
USE SOLAR PLANETARY INTERACTIONS

Plants, Solar Thermal Electric Power
USE SOLAR THERMAL ELECTRIC POWER PLANTS

Plasma Antennas

Plasma Bubbles

Plasmas In Earth Neighborhood, Origin Of
USE OPEN PROJECT

(Plasmas), Tearing Modes
USE TEARING MODES (PLASMAS)

Plus Solid Zones, Liquid
USE MUSHY ZONES

Polar Cusps

Polaritons

Pollution, Indoor Air
USE INDOOR AIR POLLUTION

Polybrominated Biphenyls

Positioning, Satellite Doppler
USE SATELLITE DOPPLER POSITIONING

Power Factor Controllers

Power Loss

Power Plants, Solar Thermal Electric
USE SOLAR THERMAL ELECTRIC POWER PLANTS

Power Supplies, Aircraft
USE AIRCRAFT POWER SUPPLIES

Puerto Rico

Pre-Main Sequence Stars

Precession, Vortex
USE VORTEX PRECESSION

Preprocessing

Prince Edward Island

Principal Components Analysis

Probe B, Gravity
USE GRAVITY PROBE B

Probe, Pioneer 12 Space
USE PIONEER VENUS SPACECRAFT
NASA THESAURUS SUPPLEMENT (PART 2)

Problem, Dining Philosophers
USE DINING PHILOSOPHERS PROBLEM

Process, Fischer-Tropsch
USE FISCHER-TROPSCH PROCESS

Processing, Concurrent
USE CONCURRENT PROCESSING

Processing, Distributed
USE DISTRIBUTED PROCESSING

Processing, Frames (Data)
USE FRAMES (DATA PROCESSING)

Program, ACEE
USE ACEE PROGRAM

Program, Aircraft Energy Efficiency
USE ACEE PROGRAM

Program, Brazilian Space
USE BRAZILIAN SPACE PROGRAM

Program, DAST
USE DAST PROGRAM

Program, Defense Meteorological Satellite
USE DMSP SATELLITES

Program, Energy Efficiency Transport
USE ACEE PROGRAM

Programming Language, Ada
USE ADA (PROGRAMMING LANGUAGE)

Programming Language, APL
USE APL (PROGRAMMING LANGUAGE)

Programming, Logic Language
USE LOGIC PROGRAMMING

Project, Open
USE OPEN PROJECT

Properties, Asymptotic
USE ASYMPTOTIC PROPERTIES

PROTOCOL (COMPUTERS)

PSEUDOPOTENTIALS

PUBLIC SPEAKING

PULSE REPETITION RATE

Pumped Lasers, Solar-
USE SOLAR-PUMPED LASERS

P78-2 Satellite
USE SCATHA SATELLITE

Q

QUANTUM ELECTRONICS

QUERY LANGUAGES

R

Radar, Imaging
USE IMAGING RADAR

Radar, Imaging
USE SYNTHETIC APERTURE RADAR

RADARSAT

Radiation Medicine
USE NUCLEAR MEDICINE

RADIOCARDIOGRAPHY

Ramjets, Integral Rocket
USE INTEGRAL ROCKET RAMJETS

Ranging, Sound Fixing And
USE SOUND FIXING AND RANGING

Rate, Bit Error
USE BIT ERROR RATE

Rate, Pulse Repetition
USE PULSE REPETITION RATE

Ratio, Temperature
USE TEMPERATURE RATIO

Ratios, Band
USE BAND RATIOS

Ray Imaging Scope, Low Intensity X
USE LIXISCOPES

Ray Timing Explorer, X
USE X RAY TIMING EXPLORER

RAYLEIGH-BENARD CONVECTION

Rays, Galactic Cosmic
USE GALACTIC COSMIC RAYS

Recession, Facing Steps
USE REVERSE SWITCHING RECTIFIERS

RED DWARF STARS

REFLECTION NEBULAE

REGION, CARIBBEAN
USE CARIBBEAN REGION

Relations, Human
USE HUMAN RELATIONS

Relations, Interpersonal
USE HUMAN RELATIONS

Repetition Rate, Pulse
USE PULSE REPETITION RATE

Research Wings, Aeroclastic
USE AEROCLASTIC RESEARCH WINGS

Resonance, Baryon
USE BARYON RESONANCE

Resonance, Meson
USE MESON RESONANCE

Retardants, Fire
USE FLAME RETARDANTS

Retrievable Carrier, European
USE EURICA (ESA)

REVERSE SWITCHING RECTIFIERS

Reynolds Number, High
USE HIGH REYNOLDS NUMBER

Reynolds Number, Low
USE LOW REYNOLDS NUMBER

ROBOTICS

Rocket, Aries Sounding
USE ARIES SOUNCING ROCKET

Rocket Ramjets, Integral
USE INTEGRAL ROCKET RAMJETS

ROMANIA

ROSAT MISSION

ROTARY ENGINES

Scope, Low Intensity X Ray Imaging
USE LIXISCOPES

Rotation, Carrington
USE SOLAR ROTATION

ROTOR BODY INTERACTIONS

Rumania
USE ROMANIA

S

SAND CASTING

Set, L-
USE L-SAT

Satellite, Cosmos 954
USE COSMOS 954 SATELLITE

SATELLITE DOPPLER POSITIONING

Satellite, European Large Telecomm
USE L-SAT

Satellite, Explorer 44
USE EXPLORER 44 SATELLITE

Satellite, Explorer 46
USE EXPLORER 46 SATELLITE

Satellite, Hipparcos
USE HIPPARCOS SATELLITE

SATELLITE IMAGERY

Satellite, Magsat B
USE MAGSAT B SATELLITE

Satellite, Meteoroid Technology
USE EXPLORER 44 SATELLITE

Satellite, NOAA 8
USE NOAA 8 SATELLITE

Satellite Program, Defense Meteorological
USE DMSP SATELLITES

Satellite, P78-2
USE SCATHA SATELLITE

Satellite, Solar-10
USE EXPLORER 44 SATELLITE

Satellites, Anik
USE ANIK SATELLITES

Satellites, Astronomical
USE ASTRONOMICAL SATELLITES

Satellites, Dmap
USE DMSP SATELLITES

Satellites, INSAT
USE INDIAN SPACECRAFT

Satellites, Jupiter
USE JUPITER SATELLITES

Satellites, Marecs Maritime
USE MARECS MARITIME SATELLITES

Satellites, Nova
USE NOVA SATELLITES

Scale, Gray
USE GRAY SCALE

Scale Integration, Very Large
USE VERY LARGE SCALE INTEGRATION

SCANDINAVIA

Scarpas
USE ESCARPMENTS

Scope, Low Intensity X Ray Imaging
USE LIXISCOPES
Scotia, Nova

Scotia, Nova

SDV USE SHUTTLE DERIVED VEHICLES

SEASAT 1

(Season), Spring

USE SPRING (SEASON)

Selective Coatings, Solar

USE SELECTIVE SURFACES

SELECTIVE SURFACES

SELF SHADOWING

SEO (Indian Spacecraft)

USE INDIAN SPACECRAFT

Sequence Stars, Pre-Main

USE PRE-MAIN SEQUENCE STARS

SFAR

USE SOUND FIXING AND RANGING

Shadowing, Self

USE SELF SHADOWING

SHELL ANODES

SHIP TO SHORE COMMUNICATION

Short Communication, Ship To

USE SHIP TO SHORE COMMUNICATION

SHORT CIRCUIT CURRENTS

SHUTTLE DERIVED VEHICLES

Shuttle Orbiter 103, Space

USE SPACE SHUTTLE ORBITER 103

Shuttle Orbiter 104, Space

USE SPACE SHUTTLE ORBITER 104

Signals, Audio

USE AUDIO SIGNALS

Signals, Video

USE VIDEO SIGNALS

Signatures, Infrared

USE INFRARED SIGNATURES

Simulation, Data

USE DATA SIMULATION

Simulation, Motion

USE MOTION SIMULATION

SOBOLEV SPACE

SOFA

USE SOUND FIXING AND RANGING

SOFTWARE ENGINEERING

SOFTWARE TOOLS

SOLAR BACKSCATTER UV SPECTROMETER

Solar Lasers

USE SOLAR-PUMPED LASERS

SOLAR OPTICAL TELESCOPE

SOLAR PLANETARY INTERACTIONS

Solar Receivers

USE SOLAR COLLECTORS

Solar Selective Coatings

USE SELECTIVE SURFACES

SOLAR THERMAL ELECTRIC POWER PLANTS

SOLAR-PUMPED LASERS

Solid Interactions, Fluid-

USE FLUID-SOLID INTERACTIONS

Solid Zones, Liquid Plus

USE MUSHY ZONES

Solrad 10 Satellite

USE EXPLORER 44 SATELLITE

Sonic Fatigue

USE ACOUSTIC FATIGUE

SOT

USE SOLAR OPTICAL TELESCOPE

SOUND FIXING AND RANGING

Sounding Rocket, Aries

USE ARIES SOUNDED ROCKET

SPACE COMMERCIALIZATION

SPACE HABITATS

Space), Hazardous Material Disposal (in

USE HAZARDOUS MATERIAL DISPOSAL (IN SPACE)

SPACE OPERATIONS CENTER (NASA)

Space Probe, Pioneer 12

USE PIONEER VENUS SPACECRAFT

Space Program, Brazilian

USE BRAZILIAN SPACE PROGRAM

SPACE SHUTTLE ORBITER 103

SPACE SHUTTLE ORBITER 104

Space, Sobolev

USE SOBOLEV SPACE

Space Telescope, Hubble

USE HUBBLE SPACE TELESCOPE

Spacecraft, Canadian

USE CANADIAN SPACECRAFT

Spacecraft, Commercial

USE COMMERCIAL SPACECRAFT

SPACECRAFT EQUIPMENT

Spacecraft, IRS (Indian

USE INDIAN SPACECRAFT

Spacecraft, Japanese

USE JAPANESE SPACECRAFT

SPACECRAFT MAINTENANCE

Spacecraft, Mariner Mark 2

USE MARINER MARK 2 SPACECRAFT

Spacecraft), MOS (Japanese

USE JAPANESE SPACECRAFT

Spacecraft), SEO (Indian

USE INDIAN SPACECRAFT

Speaking, Public

USE PUBLIC SPEAKING

SPECTRAL METHODS

Spectrometer, Solar Backscatter UV

USE SOLAR BACKSCATTER UV SPECTROMETER

Spectrometers, Ion

USE MASS SPECTROMETERS

SPECTROPHOTOMETERS

Spectroscopic Explorer, Far UV

USE FAR UV SPECTROSCOPIC EXPLORER

Speeches

USE LECTURES

NASA THESAURUS SUPPLEMENT (PART 2)

Speed Photography, High

USE HIGH SPEED PHOTOGRAPHY

SPRING (SEASON)

Stars, Double

USE BINARY STARS

Stars, Pre-Main Sequence

USE PRE-MAIN SEQUENCE STARS

Stars, Red Dwarf

USE RED DWARF STARS

Stars, Symbiotic

USE SYMBIOTIC STARS

Start, Air

USE AIR START

States, United

USE UNITED STATES

STATIC CHARACTERISTICS

STATIC MODELS

 STELLAR ACTIVITY

 STELLAR COLOR

 STELLAR COMPOSITION

 STELLAR CORES

Steps, Backward Facing

USE BACKWARD FACING STEPS

Steps, Rearward Facing

USE BACKWARD FACING STEPS

STEREOPHONICS

STRANGE ATTRACTORS

STRATEGIC MATERIALS

Strengths, Oscillator

USE OSCILLATOR STRENGTHS

Struct Test, Drones For Aerodynamic And

USE DAST PROGRAM

Structures, Data

USE DATA STRUCTURES

Structures, Telescoping

USE FOLDING STRUCTURES

SUPERCOMPUTERS

SUPERCRITICAL AIRFOILS

SUPERLATTICES

Supplies, Aircraft Power

USE AIRCRAFT POWER SUPPLIES

SURFACE NOISE INTERACTIONS

Surfaces, Minimal

USE MINIMAL SURFACES

Surfaces, Selective

USE SELECTIVE SURFACES

SWATH WIDTH

Switching Rectifiers, Reverse

USE REVERSE SWITCHING RECTIFIERS

SYMBIOTIC STARS

System, Teleoperator Maneuvering

USE TELEOPERATORS

System, Transit Navigation

USE TRANSIT NAVIGATION SYSTEM

Systems Design, Controlled

USE CONTROLLED SYSTEMS DESIGN
Systems, Embedded Computer
USE EMBEDDED COMPUTER SYSTEMS

Systems, Expert
USE EXPERT SYSTEMS

Systems, Flight Management
USE FLIGHT MANAGEMENT SYSTEMS

Systems, Geographic Information
USE GEOGRAPHIC INFORMATION SYSTEMS

Systems, Integrated Library
USE INTEGRATED LIBRARY SYSTEMS

Systems, Mobile Communication
USE MOBILE COMMUNICATION SYSTEMS

Systems, Virtual Memory
USE VIRTUAL MEMORY SYSTEMS

Systems, Expert
USE EXPERT SYSTEMS

Systems, Flight Management
USE FLIGHT MANAGEMENT SYSTEMS

Systems, Geographic Information
USE GEOGRAPHIC INFORMATION SYSTEMS

Systems, Integrated Library
USE INTEGRATED LIBRARY SYSTEMS

Systems, Mobile Communication
USE MOBILE COMMUNICATION SYSTEMS

Systems, Virtual Memory
USE VIRTUAL MEMORY SYSTEMS

Systems, Expert
USE EXPERT SYSTEMS

Systems, Flight Management
USE FLIGHT MANAGEMENT SYSTEMS

Systems, Geographic Information
USE GEOGRAPHIC INFORMATION SYSTEMS

Systems, Integrated Library
USE INTEGRATED LIBRARY SYSTEMS

Systems, Mobile Communication
USE MOBILE COMMUNICATION SYSTEMS

Systems, Virtual Memory
USE VIRTUAL MEMORY SYSTEMS

Timing Explorer, X Ray
USE X RAY TIMING EXPLORER

TIP VANES

Tips, Crack
USE CRACK TIPS

Tools, Software
USE SOFTWARE TOOLS

TOPOLOGY CYCLE ENGINES

Towers, Whirl
USE WHIRL TOWERS

Transducers, Interdigital
USE INTERDIGITAL TRANSDUCERS

Transfer, Payload
USE PAYLOAD TRANSFER

TRANSIT NAVIGATION SYSTEM

Transit Vehicles, Automated
USE AUTOMATIC TRANSIT VEHICLES

Transport Program, Energy Efficiency
USE ACE PROGRAM

Triaminoquinoxalinedinitrate
USE TAGN

Triaminothiophenolbenzene
USE TATB

TRIBOLUMINESCENCE

Tropsch Process, Fischer-Edel
USE FISCHER-EDEL PROCESS

TYROSINE

ULTRALIGHT AIRCRAFT

UNITED FIELD THEORY

UNITED STATES

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USE AGROPHYSICAL UNITS

Units, Manoeuvring
USE MANOEUVRING UNITS

US-2 Aircraft
USE S-2 AIRCRAFT

UV Spectrometer, Solar Backscatter
USE SOLAR BACKSCATTER UV SPECTROMETER

UV Spectroscopic Explorer, Far
USE FAR UV SPECTROSCOPIC EXPLORER

V

Valkala Frequency, Brunt-Var
USE BRUNT-VARLA FREDQUENCY

Valvea, Light
USE LIGHT VALVES

Vanes, Tip
USE TIP VANES

Variables, Cataclysmic
USE CATAclysmic VARIABLES

VCO
USE VOLTAGE CONTROLLED OSCILLATORS

VEGETATIVE INDEX

W

WASTE HEAT

Wastes, Nuclear
USE RADIOACTIVE WASTES

Waveguides, Circular
USE CIRCULAR WAVEGUIDES

Waveguides, Rectangular
USE RECTANGULAR WAVEGUIDES

WESTERN HEMISPHERE

WHIRL TOWERS

Width, Swath
USE SWATH WIDTH

Wings, AEROelastic Research
USE AEROELASTIC RESEARCH WINGS

Wings, Cranked
USE SWEPT WINGS

Wolfram
USE TUNGSTEN

X

X Ray Imaging Scopes, Low Intensity
USE LIDICSCOPES

X RAY TIMING EXPLORER

XENON CHLORIDE LASERS

Y

York City (NY), New York
USE NEW YORK CITY (NY)

YUKON TERRITORY
Zones, Float

USE FLOAT ZONES

Zones, Liquid Plus Solid

USE MUSHY ZONES

Zones, Mushy

USE MUSHY ZONES

NUMERICAL LISTING

1. SEASAT
   USE SEASAT 1

2 Satellite, P78-
   USE SCATHA SATELLITE

2 Spacecraft, Mariner Mark
   USE MARINER MARK 2 SPACECRAFT

2A Aircraft, US-
   USE S-2 AIRCRAFT

4, LANDSAT
   USE LANDSAT 4

5, LANDSAT
   USE LANDSAT 5

8 Satellite, NOAA
   USE NOAA 8 SATELLITE

10 Satellite, Solrad
   USE EXPLORER 44 SATELLITE

12 Space Probe, Pioneer
   USE PIONEER VENUS SPACECRAFT

44 Satellite, Explorer
   USE EXPLORER 44 SATELLITE

46 Satellite, Explorer
   USE EXPLORER 46 SATELLITE

103, Space Shuttle Orbiter
   USE SPACE SHUTTLE ORBITER 103

104, Space Shuttle Orbiter
   USE SPACE SHUTTLE ORBITER 104

205 Computer, CDC Cyber
   USE CDC CYBER 205 COMPUTER

310 Aircraft, A-
   USE A-310 AIRCRAFT

320 Aircraft, A-
   USE A-320 AIRCRAFT

954 Satellite, Cosmos
   USE COSMOS 954 SATELLITE
NASA THESAURUS SUPPLEMENT

PART 3

DELETIONS

AEROMAGNETISM
Use GEOMAGNETISM
Deleted, term now postable

BARYON RESONANCES
Transferred to BARYON RESONANCE

CAMBODIA
Transferred to KAMPUCHEA

CHINA (Array term)
Deleted

CHINA (MAINLAND)
Transferred to CHINA

CHINA (TAIWAN)
Transferred to TAIWAN

COMPUTERIZED DESIGN
Transferred to COMPUTER AIDED DESIGN

CONDENSERS (LIQUEFIERS)
Transferred to CONDENSERS (LIQUEFIERS)

DAHOMEY
Transferred to BENIN

DIFFERENTIAL ANALYZERS
Use ANALOG COMPUTERS
Deleted, term now postable

DIRECTORIES
Use INDEXES (DOCUMENTATION)
Deleted

DYES
Use ROCK INTRUSIONS
Deleted

EXERCISE (PHYSIOLOGY)
Use PHYSICAL EXERCISE
Deleted

EXPERIMENTAL DESIGN
Transferred to EXPERIMENT DESIGN

FLUOROPHLOGOPITE
Transferred to FLUOROPHLOGOPITE

GIOTTO MISSION
Use EUROPEAN SPACE PROGRAM
HALLEY'S COMET
Deleted, term now postable

IMAGING RADAR
Use SYNTHETIC APERTURE RADAR
Deleted, term now postable

INFORMATION TRANSFER
Use COMMUNICATING
Deleted, term now postable

INTELSAT 1 SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT 2 SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT 3 SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT 4 SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT 5 SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT 5B SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT 5C SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT 5F SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT SB SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT SC SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT SF SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT 1 SATELLITE
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INTELSAT 3 SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT 4 SATELLITE
Transferred to INTELSAT SATELLITES

INTELSAT 5 SATELLITE
Transferred to INTELSAT SATELLITES

K-MESONS
Transferred to KAONS

LANDSAT D
Transferred to LANDSAT 4

LARGE SPACE TELESCOPE
Transferred to HUBBLE SPACE TELESCOPE

LOW INTENSITY X-RAY IMAGING SCOPE
Transferred to LOW INTENSITY X RAY IMAGING SCOPE

LUNAR ATMOSPHERES
Transferred to LUNAR ATMOSPHERE

MESON RESONANCES
Transferred to MESON RESONANCE

MUCOUS
Transferred to MUCUS

NORTH VIETNAM
Transferred to VIETNAM

OKHOTSK SEA
Transferred to SEA OF OKHOTSK

PHASED LOCKED SYSTEMS
Transferred to PHASE LOCKED SYSTEMS

RADIATION MEDICINE
Transferred to NUCLEAR MEDICINE

RCA SATCOM C
Transferred to RCA SATCOM SATELLITES

RCA SATCOM 1
Transferred to RCA SATCOM SATELLITES

RCA SATCOM 2
Transferred to RCA SATCOM SATELLITES

ROMANIA
Use RUMANIA
Deleted

RUMANIA
Transferred to ROMANIA

SEASAT-A SATELLITE
Transferred to SEASAT 1

THRUSTORS
Use ROCKET ENGINES
Deleted, term now postable

TIROS N SATELLITES
Transferred to TIROS N SERIES SATELLITES

TRANSIT 1A SATELLITE
Transferred to TRANSIT SATELLITES

TRANSIT 1B SATELLITE
Transferred to TRANSIT SATELLITES

TRANSIT 2A SATELLITE
Transferred to TRANSIT SATELLITES

TRANSIT 3B SATELLITE
Transferred to TRANSIT SATELLITES

TRANSIT 4A SATELLITE
Transferred to TRANSIT SATELLITES

TRANSIT 4B SATELLITE
Transferred to TRANSIT SATELLITES

TRANSIT 5A SATELLITE
Transferred to TRANSIT SATELLITES

UNIQUE STATES OF AMERICA
Transferred to UNITED STATES

VERTICAL ATTITUDE TAKEOFF-LANDING AIRCRAFT
Use VATOL AIRCRAFT
Changed to
VERTICAL ATTITUDE TAKEOFF-LANDING AIRCRAFT
Use VATOL AIRCRAFT
The three part cumulative NASA Thesaurus Supplement to the 1982 edition of the NASA Thesaurus includes Part 1, Hierarchical Listing, Part 2, Access Vocabulary, and Part 3, Deletions. The semiannual supplement gives complete hierarchies for new terms and includes new term indications for terms new to this supplement.

**Abstract**

Indexes (Documentation)  
Information Retrieval  
Terminology  
Thesauri

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